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JPRS 17954

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JPRS 24712

EEur - Hungary
Econ
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ATS-111-4832

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CPSTI TT-65-20262

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ID 2193443

Weber - Switzerland

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ture and Pressure, by Myrille Peggel, 13 pp.
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Pol. - Communist policies

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EEur - Albania
Econ
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First Communist Party Congress Anniversary Marked,
by Nigrete Shahu, 9 pp.
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JPRS 46980

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per, Batir, Vol XLVI, Jan 1955,
pp 4-13.

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Sci - Engineering
May 57 CTS/sex

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DSIR 34487/CT

Sol - Engr
Mar 59

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62-33155

THE DEVELOPMENT OF CERAMIC FUEL ELEMENTS
FOR HIGH TEMPERATURE REACTORS. Quarterly
rept. no. 2, Apr-June 61, on Contract EUR/C/3283/61
e. [1962] 19p. 20 refs.
Order from OTS or SLA \$1.60

EURABC-116

- I. EURAEC-116
- II. EURATOM (Belgium)

Trans. of a rept. from Battelle-Institut e. V., Frankfurt
-am-Main (West Germany) July 61.

DESCRIPTORS: *Fuel elements, *Ceramic materials,
Uranium compounds, Oxides, Sinters, Beryllium
compounds, Oxides, Additives, Thermal conductivity,
Oxidation, Chemical analysis, Calorimetry, Sintering,
*Nuclear reactors, Temperature, Reactor fuels.

To examine the thermal conductivity of UO_2 sinters with
additives of BeO alone or BeO and alkaline earth oxides,
 UO_2 sinters without additives were fabricated. These
(Nuclear Physics--Nuclear Engineering, TT, v. 9, no. 3,
(over)

Office of Technical Services

DEVELOPMENT OF CERAMIC FUEL ELEMENTS FOR HIGH TEMPERATURE REACTORS: FABRICATION OF UO_2 AND UO_2 -BeO MIXED PELLETS. Quarterly rept. 3, July-Sep 61, on Contract O15-60-9 RDA. [1962]23p. Order from OTS or SLA \$2.60 EURAEC-179

Trans. of a rept. from Battelle-Institut e. V., Frankfurt-am-Main (West Germany) Oct 61.

DESCRIPTORS: *Thermal conductivity, Sinters, Preparation, *Uranium compounds, Oxides, *Beryllium compounds, Pellets, Measurement, *Fuel elements, *Ceramic materials.

The report deals first with the thermal conductivity measuring apparatus, by means of which for the sake of greater accuracy, the conductivity is established absolutely by the radial heat flux method. A description is given of the construction of the apparatus. The (Nuclear Physics--Nuclear Engineering, TT, v. 9, no. 12) (over)

63-15066

- I. EURAEC-179
- II. EURATOM (Belgium)
- III. Title: Fabrication ...

Office of Technical Services

FABRICATION OF UO_2 AND UO_2BeO MIXED
PELLETS, Final rept. Project 154, 15 Dec 60-30 Apr 62,
on Contract 015-60-9 RDA. [1962] 21p.
Order from OTS or SLA \$2.60 EURAEC-369

Trans. of a rept. from Battelle-Institut e. V.,
Frankfurt-am-Main (West Germany) 28 June 62.

DESCRIPTORS: *Reactor fuels, Synthesis, Dioxides,
Oxides, *Uranium compounds, *Beryllium compounds,
Thermal conductivity, Thermal expansion, Sintering.

Research work devoted to fabrication of UO_2 and
 $BeO-UO_2$ sintered particle systems is described. Prop-
erties of these fabrications such as thermal expansion
up to $1100^{\circ}C$ and thermal conductivity at 800° to $1100^{\circ}C$
were also investigated. Results show that thermal
conductivity increases with increase in BeO content. A
functional dependence of thermal expansion on BeO con-
tent was not established.

63-15068

- I. EURAEC-369
- II. EURATOM (Belgium)

(Nuclear Physics--Nuclear
Engineering, TT, v. 10, no. 5)
Office of Technical Services

CHARACTERISTICS OF A FIRST THEORY OF THE MECHANICAL PRO-
duction Agent, by Honoring Harman, 29 pp.
FOR OFFICIAL USE ONLY
WEST GERMAN, rpt, Battelle Institute e.V. Frankfurt/Main.
Attach 2, 3, No 2252011764. 969723
FSTC 31-164-216

Sci- Elec
Jul 68

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CONFIDENTIAL ON THE FOURIER TRANSFORM AND THE
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FOR OFFICIAL USE ONLY
WEST GERMAN, rpt, Battelle Institute e.V. Frankfurt/Main.
Attach 2, 3, No 2252011764, 9877200
PSTC 001-164-216

WE-W. Germ
Mil
Jul 65
Sci - Elec

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Anderson, E., Bollmann, W. and others.
THE EFFECT OF RADIATION ON THE DUCTILE-
BRITTLE TRANSITION IN PRESSURE VESSEL
STEELS. Quarterly rept. 2, Apr-June 61. [1962] 29p.
Order from OTS or SLA \$2.60 EURABC-140

Trans. of a rept. from Battelle Memorial Inst.,
Geneva (Switzerland) 11 July 61.

DESCRIPTORS: Pressure vessels, *Steel, Neutrons,
*Radiation effects, Ductility, Brittleness, *Tensile
properties, Tests, Electron microscopy, Reactor
materials, Transition temperature.

This report describes progress made in the prepara-
tion of samples. Suitable conditions for the drawing
of wires were examined. One vacuum furnace for
the annealing of long wires was constructed and is
working satisfactorily; a second furnace is nearly
complete. Nuclear Physics--Nuclear Engineering, TT, v. 10,
no. 8) (over)

63-19640

- I. Anderson, E.
- II. Bollmann, W.
- III. EURABC-140
- IV. European Atomic Energy
Community, Brussels
(Belgium)

Office of Technical Services

Anderson, E., Bollmann, W. and others.
**THE EFFECT OF RADIATION ON THE DUCTILE-
 BRITTLE TRANSITION IN PRESSURE VESSEL
 STEELS.** Quarterly rept. 6, 1 Apr-30 June 62, on
 Contract 041-60-12 RDS. [1962] [32]p.
 Order from OTS or SLA \$4. 60 EURABC-370

Trans. of a rept. from Battelle Memorial Inst.,
 Geneva (Switzerland) July 62.

DESCRIPTORS: *Pressure vessels, *Steel, Ductility,
 Brittleness, Neutron reactions, *Radiation effects,
 *Electron microscopy, Goniometers, Stereoscopes,
 Analytic geometry, Reactor materials.

This report is concerned with certain aspects of the
 electron microscopy programme. The use of a goni-
 ometer made for the SIEBERTS microscope is described;
 a method has been developed for the stereographic
 analysis of micrographs employing the goniometer
 (Nuclear Physics--Nuclear Engineering, TT, v. 9,
 no. 9) (over)

63-15646

- I. Anderson, E.
- II. Bollmann, W.
- III. EURABC-370
- IV. EURATOM (Belgium)

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Reduction and Refining of Scrap Lead, by F. J. Moll,
8 p.

ORIGIN, per, Batterien, 1939, Sep pp 1029-31;
Oct, pp 1039-41; Dec, pp 1055-1057; and 1940,
Feb, pp 1071-1073.

SLA 59-20371

Sci
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Vol III, No 2

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Reduction and Refining of Scrap Lead, by F. J. Moll,
8 p.

GERMAN, par, Batterien. 1939, Sep pp 1029-31;
Oct, pp 1039-41; Dec, pp 1055-1057; and 1940,
Feb, pp 1071-1073.

SLA 59-20371

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Reduction and Refining of Scrap Lead, by P. J. Moll,
8 p.

GERMAN, publ. Batterien, 1939, Ser. pp 1029-31;
Oct, pp 1019-41; Dec, pp 1055-1057; and 1940,
Feb, pp 1071-1073.

SLA 99-20371

Sci
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Vol III, No 2

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Reduction and Refining of Scrap Lead, by F. J. Moll,
8 p.

GERMAN, per, Batterien. 1939, Sep pp 1029-31;
Oct, pp 1033-35; Dec, pp 1035-1037; and 1940,
Feb, pp 1071-1073.

SLA 79-80371

Sci
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Vol III, No 2

113,588

MBS

R-8008-D
24 Feb 67

Normalien für Haus-und Grundstück Entwässerungsanlagen
vom 7. November 1960
Bauamt Der Stadt Winterthur ppl-26

(26 pp)

German - est for wds:

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High Blocks of Flats in Concrete, Method of
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CHRON, par, Eng. und Bautechnik, No 8, 1954,
pp 187-189; No 12, pp 322-325.

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Sci - Engineering
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GERMAN, Ger, 3 elements der Feinmechanik,
1938, pp 283-310. ~~as another reference.~~

SLA 3808

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Structural Elements of Precision Mechanics
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1938, pp 344-355.

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Sci

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Kramer, Franz Rkt.
A CONCRETE SLAB BRIDGE PRESTRESSED BY THE
BAUR-LEONHARDT METHOD. [1961] [11] p. 16 refs.
Order from SLA \$1.60 61-18938

Trans. from Bauen und Wohnen (West Germany) 1950
[v. 5] Mar.

DESCRIPTIONS: *Bridges, Design, Construction, Con-
crete, Structures, *Concrete, *Reinforced concrete,
Stresses, Load distribution.

(Engineering--Civil, TT, v. 8, no. 8)

61-18938

1. Title: Slabs
2. Title: Baur-Leonhardt
method
1. Kramer, F. R.

Office of Technical Services

The Foundation for Architectural Research.
Zoning in Modular Construction, by F. Fug.
Gutman, par. Wohnen und Wohnen, Vol. 22, No 5,
1968, pp. 165-70.
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Sci-Materials
July 69

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Interior Plaster Made From Synthetic Anhydrite,
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GB/HO 2353

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TT-65-12361

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THE SOLUTION OF THE FLOOR SLAB PROBLEM BY
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durch Fouriersche Reihen). 21p, 3 refs.
Order from SLA: \$1.60 as TT-65-12361

Trans. of dgr. Bauingenieur (Germany) v1 n22 p631-6 1920.

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The Operative Plate Width, by H. Bortsch, 11 pp.

GERMAN, par, Der Bauingenieur, Vol XXIII, 1921,
pp 662-667.

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Scientific - Engineering
Jul CTS/DHX

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Water Experiments in the Flow Process in Bent
Channels, by H. Hippiert.

GERMAN, per, Bauingenieur, Vol V, 1930,
pp 76-79.

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Concerning the Proportioning of Statically
Indeterminate Steel-Structures Under Consideration
of the Elastic-Plastic Behavior of the Materials, by
Hans Fleisch, 32 pp.

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1932, pp 261-267.

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The Fundamentals of the Modern Theory of Domes, by
E. Steuermann, 18 pp.

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1933, pp 50-53.

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Vol 2, No 1

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Shells of Rotation With Unsymetric Shape and
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No 35/36, pp 374-381.

SLA 59-15084

Sci
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Vol 2, No 3

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Calculation for Shells of Double Curvature
Using Difference Equations, by A. Fasher.

CHENMAN, par, Engineering, Vol XVIII, No 9/10,
1937, pp 118-123.

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Sci - Engr
May 62

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Stability of Vertically Loaded Rectangular Frames,
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GERMAN, per, der Bauingenieur, Vol XIX, No 5/6,
1938, pp 69-75.

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Vol 2, No 7

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Devices for the Measurement of Settlements of
Buildings and Dikes, by A. Scheidig, H. Leussink,
9 pp.

CHESMAN, per, Ingenieur, Vol XIX, 1938, pp 424-
426.

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Sci - Engineering
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The New Photoelastic Apparatus at the Mechanical
Technical Laboratory of the Munich Advanced
Technical School, by L. Foppl, R. Hiltcher, 5 pp.
GERMAN, per, Der Bauingenieur, Vol XX, Nos 17/18,
1939, pp 231-232. 9693579
DIN RSIC-232

SCI - Elec
Sept 64

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The Anchoring of Wire Ropes, Especially
in Cast Rope-End Clamps, Part 1. & 2, by F.
Schleicher.

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1949, pp 144-155, 176-184.

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Finstorwalder, U. and Raittel, G.
THE NEW BRIDGE OVER THE RIVER MOSELLE AT
COBLENZ. [1941] 46p. 4 refs.
Order from SLA \$4.60

CI-18933

Trans. of der Bauingenieur (West Germany) 1954
[v. 29] no. 8, p. 278-294.

DESCRIPTORS: *Concrete. *Bridges. Germany. De-
sign. Construction

(Engineering--Civil, TT, v. 6, no. 9)

CI-18933

I. Finstorwalder, U.
II. Raittel, G.

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Office of Technical Services

Composite Beams in Building Construction
Code of Practice for Design and Construction,
24 pp. DIN 4239 Note 1.

GERMAN, per, Der Bauingenieur, Vol XXIX, No
9, 1954, pp 355-361.

SLA 57-3179

Sci

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Theiner, J.
FINISHING MACHINES FOR CONCRETE ROAD
CONSTRUCTION. [1961] 11p.
Order from SLA \$1.60 61-20033

Trans. of der Bauingenieur (West Germany) 1954,
v. 29, no. 11, p. 405-409.

DESCRIPTORS: *Concrete, *Roads, Construction,
*Road building equipment, Civil engineering,
Germany.

(Engineering--Civil, TT, v. 7, no. 1)

61-20033

I. Theiner, J.

Office of Technical Services

Dynamics in Buildings, with Particular Reference
to Industrial Buildings, by J. Gsiger.

GERMAN, per, Bauingenieur, Vol XX, No 6, 1955,
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Stress Measurement in Concrete and Reinforced
Concrete, by K. Kammüller.

GERMAN, per, Bauingenieur, Vol XXXI, 1956,
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STRESS CONDITION IN THE VICINITY OF AN-
CHORAGE PLATES IN PRESTRESSED TENDONS OF
PRESTRESSED CONCRETE STRUCTURAL UNITS.
[1961] 4p. 3 refs.

Order from SLA m\$1.80, ph\$1.80 61-10798

Trans. of [der] Bauingenieur. (West Germany) 1956,
v. 31, no. 4, p. 134-135.

(Materials, TT, v. 5, no. 10)

61-10798

1. Structures--Stresses
2. Concrete--Stresses
3. Title: Prestressed concrete
1. Sievers, H.

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Office of Technical Services

Impressions of Dem. Construction in Algeria,
by F. Hartung,

ORFÈVRE, par, Bouingénieur, Vol XXII, No 7,
pp 243-257, 1956,

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May 60 NE/A - Algeria
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Theoretical and Photoelastic Investigation
of A Tunnel-Tube Burdened With Deranged
Zones Along Its Longitudinal Direction,
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No 11, 1956, pp 408-412.

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Sci - Phys, Engr
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Buildings of CHRN in Geneva, by Thomas Jaeger,
41 pp.

GERMAN, per, Der Bauingenieur, Vol XXXIX, 1957,
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Sci - Inter Phys

Oct 58

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The Total Tensile Force at Openings in a Uni-
axial Compression Stress Field, by R.
Biltscher, B. Pant.

GIEBMAN, per, Der Bauingenieur, Vol XXXII,
1957, pp 470-474.

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Sci - Engr, Phys TC 823 A 358 No 346

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Hydrotechnical Multipurpose Projects in Turkey, by
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Membrane Theory of Conoidal Shells, by Mircea
Boare.

GERMAN, per, ~~Der Bauingenieur~~, Vol XXXIII, No 7,
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Sci - Engr
Sep 60

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Influence of Anisotropy on Rock Stress in the
Vicinity of Tunnels, by G. Sonntag, 17 pp.

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AM-10000

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10 Mar 62

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Vol 4, No 4

Influence of Anisotropy on Rock Stress in
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ADD-45818 or (ATS-1120GJ)

Ref.

10 Mar 68

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Vol 4, No 4

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1958, pp 407-414.

C. S. I. R. O. T4370

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Berlin, 1958, pp 421-425. Call No TA 3, B33.

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HE/A - Turkey

Geo

Jun 59

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Hermann Bay.

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1958, pp 445-455.

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Technical Lib
Denver, Colorado

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THE TOTAL TENSILE FORCE AT OPENINGS IN A BIAXIAL
COMPRESSION FIELD, BY RUDOLF HILTSCHER, B. PANT.

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STATIC INVESTIGATIONS OF THE DRAFT TUBE COVER
DECKIN HYDRAULIC POWERPLANTS, BY RUDOLF KUH KUH,
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~~PER, DER BAUINGENIEUR~~, VOL XXXIV, NO 5
1959, PP 192-~~2200~~.

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Application of the Differential Process in
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Affected by Tides, by Ernst Schnoor.
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1960, pp 6-11.

SLA 60-14554

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